

AMENDMENTS TO THE CLAIMS:

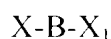
This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

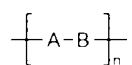
1. (Original) A method comprising reacting

a) at least one diacidic monomer, comprising about 1 to 100 mole % of at least one light-absorbing monomer having a light absorption maximum between about 300 nm and about 1200 nm and 99-0 mole % of a non-light absorbing monomer which does not absorb significant light at wavelengths above 300 nm or has a light absorption maximum below 300 nm, with

b) an organic compound having the formula

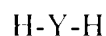


wherein B is a divalent organic radical selected from the group consisting of C₂-C₁₂ alkylene, C₃-C₈ cycloalkylene, C₁-C₄ alkylene- C₃- C₈-cycloalkylene- C₁-C₄ alkylene, C₁-C₄ alkylene-arylene- C₁-C₄ alkylene, C₂- C₄-alkylene-L-arylene-L- C₂-C₄ alkylene and C₂-C₄ alkylene-(L- C₂-C₄ alkylene)₁₋₄, wherein L is a linking group selected from the group consisting of -O-, -S-, -SO₂-, -NH-, -N(C₁-C₆ alkyl)-, -N(aryl)-, -N(SO₂ C₁-C₆ alkyl)-, -N(SO₂aryl)-, -SO₂N(C₁-C₆ alkyl)- and combinations thereof; X and X₁ are reactive groups and are independently selected from the group consisting of bromine, iodine and R-SO₂O; wherein R is selected from the group consisting of C₁-C₆ alkyl; C₁-C₆ alkyl substituted with chlorine, fluorine, C₁-C₆ alkoxy, aryl, aryloxy, arylthio or C₃-C₈ cycloalkyl; C₃-C₈ cycloalkyl or aryl, wherein said reaction is carried out in a solvent in the presence of a base to form a light absorbing polymeric composition having the formula



wherein B is as defined above, n is at least 2 and A comprises the residue of said diacidic monomer.

2. (Original) The process of claim 1 where said light-absorbing monomers have the formula



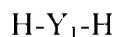
wherein H represents an acidic hydrogen atom; Y is a divalent light-absorbing moiety selected from the group consisting of chromophoric classes of azo, disazo, triazo, bis-azo, methine, arylidene, polymethine, azo-methine, azamethine, anthraquinone, anthrapyridone (3H-dibenz[f,i]isoquinoline-2,7-dione, nitroarylamines anthrapyridine (7H-dibenz[f,i]isoquinoline-7-one, phthaloylphenothiazine (14H-naphth[2,3-a]phenothiazine-8,13-dione, benzanthrone (7H(de)anthracene-7-one), anthrapyriridine (7H-benzo[e]perimidine-7-one), anthrapyrazole, anthraisothiazole, triphenodioxazine, thioxanthene-9-one, fluorindine (5,12-dihydroquinoxaline [2,3-b]phenazine, quinophthalone, phthalocyanine, metal phthalocyanine, naphthalocyanine, metal naphthalocyanine, nickel dithiolenes, squarylium compounds, croconium compounds, coumarin (2H-1-benzopyran-2-one), coumarin imine (2H-1-benzopyran-2-imine), perinone, benzodifuran, phthaloylacridone, phthaloylphenoxazine (14H-naphtho[2,3-a]phenoxazine-8,13-dione, phthaloylacridone (13H-naphtho[2,3-c]acridine-5,8,14-trione), anthraquinonethioxanthane (8H-naphtho[2,3-c]thioxanthene-5,8,13-trione, anthrapyridazone, pyrrolo[3,4-c]pyrrole, indigo, thioindigo, quinoline, xanthene, acridine, azine, cyanine, oxazine, 1,4 and 1,5-naphthoquinones, 2,5-diarylaminoterephthalic acids and esters, pyromellitic acid diimide, naphthalene-1,4,5,8-tetracarboxylic acid diimide, 3,4,9,10-perylenetetracarboxylic acid diimide, 3-aryl-2,5-dioxypyrroline, 3-aryl-5-dicyanomethylene-2-oxopyrroline, arylisoindoline, hydroxybenzophenone, benotriazole, naphthotriazole, diminoisoindoline, naphthopyran (3H-naphtho[2,1-6]pyran-3-one and 3-imine, phthalimides, 2-arylbenzazoles, carbostyryls, 1,2-diarylethenes, 2,5-diarylthiophenes, 2,5-diaryl-1,3,4-oxadiazoles, triazines, 2,5-diarylfurans, 2,5-diaryl-1,3,4-thiadiazoles, thiophenes, 1,3-diphenyl-2-pyrazolines, 2-arylbenzofurans, 2,6-diphenylbenzofurans, quinolines, quinoxalines, 3,4-diarylfuranones, distyrylarenes, benzanthrone, polyarenes and naphthalimides.

3. (Original) The method of claim 2 wherein the hydrogen atoms of said formula H-Y-H are independently bonded to an oxygen, sulfur, or nitrogen atom which is a part of the light absorbing moiety Y and which in combination provides two acidic functional groups.

4. (Original) The method of claim 3 wherein said acidic functional groups have pK_a values of from about 1.5 to about 12.

5. (Original) The method of claim 3 wherein said acidic functional groups are independently selected from the group consisting of -CO₂H, -SH, -OH attached to an aromatic ring, -CONHCO-, -SO₂-NH-CO-, -SO₂-NH-SO₂-, 1(H)-1,2,4-triazol-3-yl-, imidazolyl, benzimidazolyl, pyrazolyl, -SO₂H attached to aromatic ring, -NHSO₂R₅ and -SO₂NHR₅, wherein R₅ is selected from the group consisting of C₁-C₆ alkyl, C₃-C₈ cycloalkyl, aryl and C₁-C₆ alkyl substituted with at least one group selected from the group consisting of C₁-C₆ alkoxy, aryl, aryloxy, arylthio and C₃-C₈ cycloalkyl.

6. (Original) The method of claim 1 wherein said non light-absorbing monomers have the formula

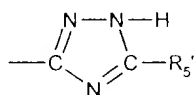


wherein H represents an acidic hydrogen atom; Y₁ is a divalent moiety selected from the group consisting of -O₂C-R₁-CO₂- and -O-R₂-O- and -O₂C-R₃-O-, wherein R₁ is selected from the group consisting of C₂-C₁₂ alkylene, 1-4-cyclohexylene, arylene, arylene-O-arylene, arylene-SO₂-arylene, arylene-S-arylene, and C₁-C₄ alkylene-O- C₁-C₄ alkylene; wherein R₂ is selected from the group consisting of arylene, arylene-O-arylene, arylene-S-arylene, arylene-SO₂-arylene, phenylene-phenylene, and phenylene-C(R₄)₂-phenylene; wherein R₄ is selected from the group consisting of hydrogen and C₁-C₄ alkyl; wherein R₃ is selected from arylene.

7. (Original) The method of claim 1 wherein said polymeric composition is linear.

8. (Original) The method of claim 1 wherein said diacidic monomers have pK_a values of about 12 or below.

9. (Original) The method of claim 2 wherein H-Y-H includes a moiety selected from the group consisting of carboxy groups attached to an aromatic ring carbon or aliphatic carbon, hydroxy groups attached to an unsubstituted or substituted phenyl or naphthyl radical, -CO-NHCO- groups attached to an aromatic ring to provide an imide and 1(H)-1,2,4-triazol-3-yl group having the formula



wherein R₅' is selected from the group consisting of hydrogen, C₁-C₆ alkyl and aryl.

10. (Original) The method of claim 1 where n is between about 2 and about 25.

11. (Original) The method of claim 1 wherein n is between about 3 and about 15.

12. (Original) The method of claim 1 wherein said base is selected from the group consisting of alkali metal carbonates, alkali metal bicarbonates and tertiary amines, aromatic nitrogen bases, bicyclic nitrogen containing bases having non-hindered electron pairs and mixtures thereof.

13. (Previously Amended) The method of claim 12 wherein said base is selected from the group consisting of triethylamine, tri-n-butylamine, N-methylpiperidine, N,N'-dimethylpiperazine, N-methylmorpholine and N,N,N',N'-tetramethylethylenediamine, pyridines, picolines, quinolines, isoquinolines, N-alkylpyrroles, N-alkylimidazoles, 1,8-diazabicyclo[5,4,0]undec-7-ene (DBU), 1,5-diazabicyclo[4,3,0]non-5-ene (DBN) and 1,4-diazadicyclo[2,2,2]octane and mixtures thereof.

14. (Original) The method of claim 1 wherein said solvent is one or more aprotic polar solvents.

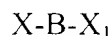
15. (Original) The method of claim 1 wherein said solvent is selected from the group consisting of N,N-dimethylacetamide, N,N-dimethylformamide, N-methyl-2-pyrrolidone, N-methyl-N-phenyl formamide, dimethylsulfoxide, aliphatic nitriles, sulfolane,

hexamethyl phosphoramidate, water, alcohols, ketones pyridine and ether-alcohols and mixtures thereof.

16. (Original) The method of claim 15 wherein said solvent is selected from the group consisting of N,N-dimethylacetamide, N,N-dimethylformamide, N-methyl-2-pyrrolidone, N-methyl-N-phenyl formamide, dimethylsulfoxide, aliphatic nitriles, sulfolane and hexamethyl phosphoramidate and mixtures thereof.

17. (Original) The method of claim 1 wherein said reacting is conducted at a temperature between about 75°C and about 125°C.

18. (Original) The method of claim 1 wherein said organic compound having the formula



is selected from the group consisting of disulfonate compounds where X and X₁ are both a sulfonate ester of the formula-OSO₂R, wherein R is selected from C₁-C₄ alkyl, phenyl or p-methylphenyl and wherein B is selected from C₂-C₆ alkylene, -CH₂-1,4-cyclohexylene CH₂-, -CH₂CH₂(O CH₂CH₂)₁₋₄ and-CH₂CH₂O-1,4-phenylene-O-CH₂CH₂-.

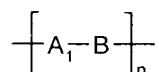
19. (Previously Amended) The method of claim 18 wherein said B moiety of the organic compound having the formula X-B-X₁ is selected from the group consisting of-CH₂CH₂-, -CH₂CH(CH₃)CH₂-, -CH₂C(CH₃)₂CH₂-, -(CH₂)₄-, -(CH₂)₆-, -CH₂CH₂OCH₂CH₂- and-CH₂-1,4-cyclohexylene-CH₂-.

20. (Original) The method of claim 1 wherein said organic compound having the formula X-B-X₁ is selected from the group consisting of 1,2-ethandiol, dimethanesulfonate; 1,2-ethanediol bis(4-methylbenzenesulfonate); 1,4 butanediol, dimethane sulfonate; 1,6-hexanediol, dimethanesulfonate; 1,3-propanediol,2,2-dimethyl-, dimethanesulfonate; 1,4-cyclohexanedimethanol, dimethanesulfonate; 1,1,3,3-tetramethylcyclobutanediol, dimethanesulfonate, and ethanol 2,2'-oxybis-dimethanesulfonate.

21. (Original) The method of claim 1 wherein A of said light absorbing polymeric composition comprises 100 mole% of said light-absorbing monomer.

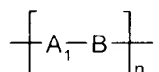
22. (Original) The method of claim 1 wherein said diacidic light absorbing monomer has a light absorption maximum between about 300 nm and about 1200 nm and is present in said light absorbing polymeric composition in an amount at least about 50% by weight %.

23. (Currently amended) A colored light absorbing composition having the formula



wherein A_1 comprises the residue of at least one diacidic monomer having a light absorption maximum between about 325 nm and about 1100 nm, and wherein B is a divalent organic radical selected from the group consisting of C_2 - C_{12} alkylene, C_3 - C_8 cycloalkylene, C_1 - C_4 alkylene- C_3 - C_8 -cycloalkylene- C_1 - C_4 alkylene, C_1 - C_4 alkylene-arylene- C_1 - C_4 alkylene, and C_2 - C_4 -alkylene-L-arylene-L- C_2 - C_4 alkylene and C_2 - C_4 alkylene-(L- C_2 - C_4 alkylene) $_{1-4}$, wherein L is a linking group selected from-O-, -S-, -SO₂-, -NH-, -N(C_1 - C_6 alkyl)-, -N(aryl)-, -N(SO₂ C_1 - C_6 alkyl)-, -N(SO₂aryl)-, -SO₂N(C_1 - C_6 alkyl)- and combinations thereof; wherein n is at least 2 and wherein at least one of said diacidic monomer comprises at least about 50% by weight of the total composition.

24. (Currently amended) A composition comprising a thermoplastic polymer blended with at least one light absorbing linear polymeric composition ~~of claim 23~~ having the formula

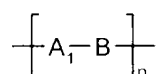


wherein A_1 comprises the residue of at least one diacidic monomer having a light absorption maximum between about 325 nm and about 1100 nm, and wherein B is a divalent organic radical selected from the group consisting of C_2 - C_{12} alkylene, C_3 - C_8 cycloalkylene, C_1 - C_4 alkylene- C_3 - C_8 -cycloalkylene- C_1 - C_4 alkylene, C_1 - C_4 alkylene-arylene- C_1 - C_4 alkylene, and C_2 - C_4 -alkylene-L-arylene-L- C_2 - C_4 alkylene and C_2 - C_4 alkylene-(L- C_2 - C_4 alkylene) $_{1-4}$,

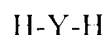
wherein L is a linking group selected from -O-, -S-, -SO₂-, -NH-, -N(C₁-C₆ alkyl)-, -N(aryl)-, -N(SO₂ C₁-C₆ alkyl)-, -N(SO₂aryl)-, -SO₂N(C₁-C₆ alkyl)- and combinations thereof; wherein n is at least 2 and wherein at least one of said diacidic monomer comprises at least about 50% by weight of the total composition.

25. (Original) The composition of claim 24 wherein said thermoplastic polymer is selected from the group consisting of polyesters, polyolefins, polyamides, polyimides, polyvinyl chloride, polyurethanes, polycarbonates, cellulose esters, polyacrylates, polyvinylesters, polyester-amides, polystyrene, polyacrylonitrile-butadiene-styrene, polystyrene-acrylonitrile and mixtures and blends thereof.

26. (Currently amended) ~~The composition of claim 23~~ A light absorbing composition having the formula



wherein A₁ comprises the residue of at least one diacidic monomer having a light absorption maximum between about 325 nm and about 1100 nm, and wherein B is a divalent organic radical selected from the group consisting of C₂-C₁₂ alkylene, C₃-C₈ cycloalkylene, C₁-C₄ alkylene- C₃- C₈-cycloalkylene- C₁-C₄ alkylene, C₁-C₄ alkylene-arylene- C₁-C₄ alkylene, and C₂- C₄-alkylene-L-arylene-L- C₂-C₄ alkylene and C₂-C₄ alkylene-(L- C₂-C₄ alkylene)₁₋₄, wherein L is a linking group selected from -O-, -S-, -SO₂-, -NH-, -N(C₁-C₆ alkyl)-, -N(aryl)-, -N(SO₂ C₁-C₆ alkyl)-, -N(SO₂aryl)-, -SO₂N(C₁-C₆ alkyl)- and combinations thereof; wherein n is at least 2 and wherein at least one of said diacidic monomer comprises at least about 50% by weight of the total composition, wherein A₁ comprises the residue of at least one diacidic monomer having the structure



wherein H represents an acidic hydrogen atom and Y is a divalent light-absorbing moiety selected from the chromophoric classes consisting of azo, disazo, triazo, bis-azo, methine, arylidene, polymethine, azo-methine, azamethine, anthraquinone, anthrapyridone (3H-dibenz[f,ij] isoquinoline-2,7-dione, nitroarylamines anthrapyridine (7H-dibenz[f,ij]isoquinoline-7-one, phthaloylphenothiazine (14H-naphth[2,3-a]phenothiazine-8,13-dione, benzanthrone (7H(de)anthracene-7-one), anthrapyrimidine (7H-benzo[c]perimidine-7-one), anthrapyrazole, anthraisothiazole, triphenodioxazine,

thioxanthene-9-one, fluorindine (5,12-dihydroquinoxaline [2,3-b]phenazine, quinophthalone, phthalocyanine, metal phthalocyanine, naphthalocyanine, metal naphthalocyanine, nickel dithiolenes, squarylium compounds, croconium compounds, coumarin (2H-1-benzopyran-2-one), coumarin imine (2H-1-benzopyran-2-imine), perinone, benzodifuran, phthaloylacridone, phthaloylphenoxazine (14H-naphtho[2,3-a]phenoxazine-8,13-dione, phthaloylacridone (13H-naphtho[2,3-c]acridine-5,8,14-trione), anthraquinonethioxanthane (8H-naphtho[2,3-c]thioxanthene-5,8,13-trione, anthrapyridazone, pyrrolo[3,4-c]pyrrole, indigo, thioindigo, quinoline, xanthene, acridine, azine, cyanines, oxazine, 1,4 and 1,5-naphthoquinones, 2,5-diarylaminoterephthalic acids and esters, pyromellitic acid diimide, naphthalene-1,4,5,8-tetracarboxylic acid diimide, 3,4,9,10-perylenetetracarboxylic acid diimide, 3-aryl-2,5-dioxypyrroline, 3-aryl-5-dicyanomethylene-2-oxopyrroline, arylisoindoline, hydroxybenzophenone, benotriazole, naphthotriazole, diminoisoindoline, naphthopyran (3H-naphtho[2,1-6]pyran-3-one and 3-imine, phthalimides, 2-arylbenzazoles, carbostyryls, 1,2-diarylethenes, 2,5-diarylthiophenes, 2,5-diaryl-1,3,4-oxadiazoles, triazines, 2,5-diarylfurans, 2,5-diaryl-1,3,4-thiadiazoles, thiophenes, 1,3-diphenyl-2-pyrazolines, 2-arylbenzofurans, 2,6-diphenylbenzofurans, quinolines, quinoxalines, 3,4-diarylfuranones, distyrylarenes, benzanthrones, polyarenes and naphthalimides.

27. Cancelled.

28. (Original) The light absorbing linear polymeric composition of Claim 25 wherein A₁ comprises the residue of at least one diacidic monomer having at least one acidic group other than carboxy and having a light absorption maximum between about 300 nm and about 1200 nm and wherein B is a divalent organic radical selected from C₂-C₁₂ alkylene, C₃-C₈ cycloalkylene, C₁-C₄ alkylene-C₃-C₈-cycloalkylene-C₁-C₄ alkylene, C₁-C₄ alkylene-arylene-C₁-C₄ alkylene, and C₂-C₄-alkylene-L-arylene-L-C₂-C₄ alkylene and C₂-C₄ alkylene-(L-C₂-C₄ alkylene)₁₋₄, wherein L is a linking group selected from-O-, -S-, -SO₂-, -NH-, -N(C₁-C₆ alkyl)-, -N(aryl)-, -N(SO₂ C₁-C₆ alkyl)-, -(SO₂aryl)-, -SO₂N(C₁-C₆ alkyl)- and combinations thereof; wherein n is at least 2.

29. (Original) The process of claim 2 wherein said light absorbing monomer comprises two carboxy groups as acidic functional groups.

30. (Original) The process of claim 2 wherein said light absorbing monomer comprises two 1(H)-1,2,4-triazol-3-ylthio groups as acidic functional groups.

31. (Original) The process of claim 2 wherein said light absorbing monomer comprises one carboxy and one 1(H)-1,2,4-triazol-3-ylthio group as acidic functional groups.

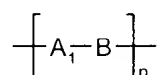
32. (Original) The process of claim 2 wherein said light absorbing monomer comprises two hydroxy groups attached to aromatic ring(s).

33. (Original) The process of claim 2 wherein said light absorbing monomer comprises one imide group and one carboxy group.

34. (Original) The process of claim 2 wherein said light absorbing monomer comprises one imide group and one 1(H)-1,2,4-triazol-3-ylthio group.

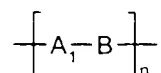
35. (Previously amended) The composition of claim 23 wherein said light absorbing monomer comprises two carboxy groups as acidic functional groups.

36. (Currently amended) ~~The composition of claim 23~~ A light absorbing composition having the formula



wherein A₁ comprises the residue of at least one diacidic monomer having a light absorption maximum between about 325 nm and about 1100 nm. and wherein B is a divalent organic radical selected from the group consisting of C₂-C₁₂ alkylene, C₃-C₈ cycloalkylene, C₁-C₄ alkylene- C₃- C₈-cycloalkylene- C₁-C₄ alkylene, C₁-C₄ alkylene-arylene- C₁-C₄ alkylene, and C₂- C₄-alkylene-L-arylene-L- C₂-C₄ alkylene and C₂-C₄ alkylene-(L- C₂-C₄ alkylene)₁₋₄, wherein L is a linking group selected from-O-, -S-, -SO₂-, -NH-, -N(C₁-C₆ alkyl)-, -N(aryl)-, -N(SO₂ C₁-C₆ alkyl)-, -N(SO₂aryl)-, -SO₂N(C₁-C₆ alkyl)- and combinations thereof; wherein n is at least 2 and wherein at least one of said diacidic monomer comprises at least about 50% by weight of the total composition, wherein said light absorbing monomer comprises two 1(H)-1,2,4-triazol-3-ylthio groups as acidic functional groups.

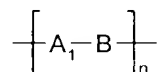
37. (Currently amended) ~~The composition of claim 23~~ A light absorbing composition having the formula



wherein A_1 comprises the residue of at least one diacidic monomer having a light absorption maximum between about 325 nm and about 1100 nm, and wherein B is a divalent organic radical selected from the group consisting of C_2 - C_{12} alkylene, C_3 - C_8 cycloalkylene, C_1 - C_4 alkylene- C_3 - C_8 -cycloalkylene- C_1 - C_4 alkylene, C_1 - C_4 alkylene-arylene- C_1 - C_4 alkylene, and C_2 - C_4 -alkylene-L-arylene-L- C_2 - C_4 alkylene and C_2 - C_4 alkylene-(L- C_2 - C_4 alkylene) $_{1-4}$, wherein L is a linking group selected from-O-, -S-, -SO₂-, -NH-, -N(C_1 - C_6 alkyl)-, -N(aryl)-, -N(SO₂ C_1 - C_6 alkyl)-, -N(SO₂aryl)-, -SO₂N(C_1 - C_6 alkyl)- and combinations thereof; wherein n is at least 2 and wherein at least one of said diacidic monomer comprises at least about 50% by weight of the total composition, wherein said light absorbing monomer comprises one carboxy and one 1(H)-1,2,4-triazol-3-ylthio group as acidic functional groups.

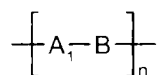
38. (Previously amended) The composition of claim 23 wherein said light absorbing monomer comprises two hydroxy groups attached to aromatic ring(s).

39. (Currently amended) ~~The composition of claim 23~~ A light absorbing composition having the formula



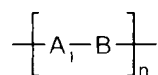
wherein A_1 comprises the residue of at least one diacidic monomer having a light absorption maximum between about 325 nm and about 1100 nm, and wherein B is a divalent organic radical selected from the group consisting of C_2 - C_{12} alkylene, C_3 - C_8 cycloalkylene, C_1 - C_4 alkylene- C_3 - C_8 -cycloalkylene- C_1 - C_4 alkylene, C_1 - C_4 alkylene-arylene- C_1 - C_4 alkylene, and C_2 - C_4 -alkylene-L-arylene-L- C_2 - C_4 alkylene and C_2 - C_4 alkylene-(L- C_2 - C_4 alkylene) $_{1-4}$, wherein L is a linking group selected from-O-, -S-, -SO₂-, -NH-, -N(C_1 - C_6 alkyl)-, -N(aryl)-, -N(SO₂ C_1 - C_6 alkyl)-, -N(SO₂aryl)-, -SO₂N(C_1 - C_6 alkyl)- and combinations thereof; wherein n is at least 2 and wherein at least one of said diacidic monomer comprises at least about 50% by weight of the total composition, wherein said light absorbing monomer comprises one imide group and one carboxy group.

40. (Currently amended) ~~The composition of claim 23~~ A light absorbing composition having the formula



wherein A_1 comprises the residue of at least one diacidic monomer having a light absorption maximum between about 325 nm and about 1100 nm, and wherein B is a divalent organic radical selected from the group consisting of C_2 - C_{12} alkylene, C_3 - C_8 cycloalkylene, C_1 - C_4 alkylene- C_3 - C_8 -cycloalkylene- C_1 - C_4 alkylene, C_1 - C_4 alkylene-arylene- C_1 - C_4 alkylene, and C_2 - C_4 -alkylene-L-arylene-L- C_2 - C_4 alkylene and C_2 - C_4 alkylene-(L- C_2 - C_4 alkylene)₁₋₄, wherein L is a linking group selected from-O-, -S-, -SO₂-, -NH-, -N(C_1 - C_6 alkyl)-, -N(aryl)-, -N(SO₂ C_1 - C_6 alkyl)-, -N(SO₂aryl)-, -SO₂N(C_1 - C_6 alkyl)- and combinations thereof; wherein n is at least 2 and wherein at least one of said diacidic monomer comprises at least about 50% by weight of the total composition, wherein said light absorbing monomer comprises one imide group and one 1(H)-1,2,4-triazol-3-ylthio group.

41. (Currently amended) ~~The composition of claim 23~~ A light absorbing composition having the formula

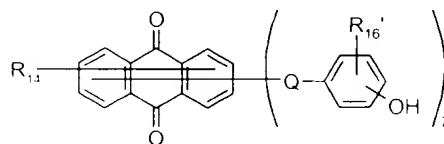
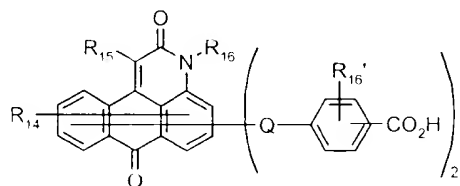
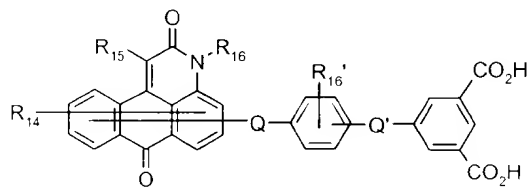
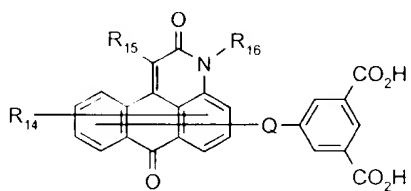
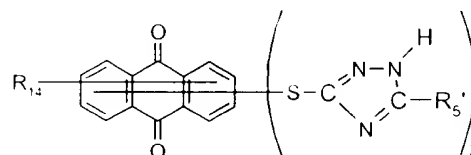
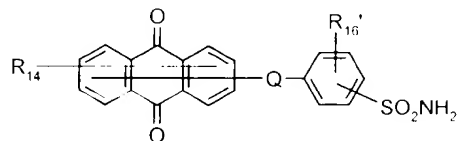
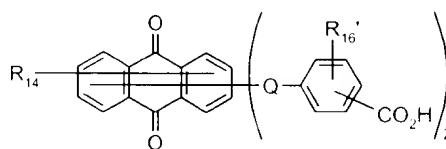
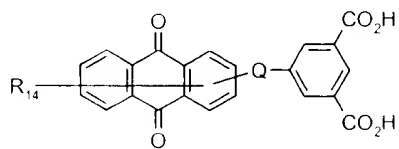


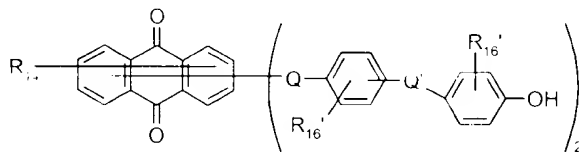
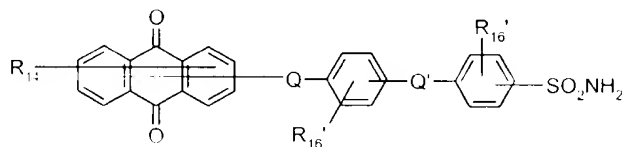
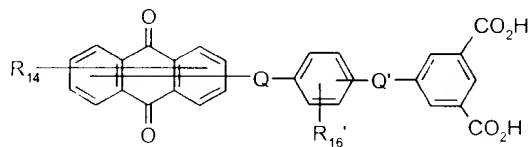
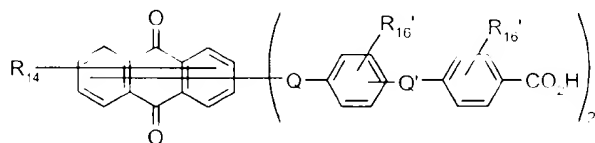
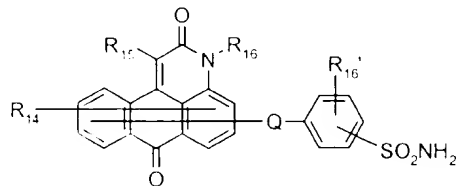
wherein A_1 comprises the residue of at least one diacidic monomer having a light absorption maximum between about 325 nm and about 1100 nm, and wherein B is a divalent organic radical selected from the group consisting of C_2 - C_{12} alkylene, C_3 - C_8 cycloalkylene, C_1 - C_4 alkylene- C_3 - C_8 -cycloalkylene- C_1 - C_4 alkylene, C_1 - C_4 alkylene-arylene- C_1 - C_4 alkylene, and C_2 - C_4 -alkylene-L-arylene-L- C_2 - C_4 alkylene and C_2 - C_4 alkylene-(L- C_2 - C_4 alkylene)₁₋₄, wherein L is a linking group selected from-O-, -S-, -SO₂-, -NH-, -N(C_1 - C_6 alkyl)-, -N(aryl)-, -N(SO₂ C_1 - C_6 alkyl)-, -N(SO₂aryl)-, -SO₂N(C_1 - C_6 alkyl)- and combinations thereof; wherein n is at least 2 and wherein at least one of said diacidic monomer comprises at least about 50% by weight of the total composition, wherein said light absorbing monomer comprises a diacidic sulfamoyl (-SO₂NH₂) group.

42. (Previously amended) The composition of claim 23 wherein said light absorbing monomer comprises two acidic groups independently selected from the group consisting of -CO₂H, SH, hydroxy attached to an aromatic ring, -CONHCO- (imide), -SO₂NHCO-, -SO₂NHSO₂-, 1(H)-1,2,4-triazolyl-3-yl-, imidazolyl, benzimidazolyl, pyrazolyl, -SO₂H attached to an aromatic ring, -NHSO₂R₅ and -SO₂NHR₅, wherein R₅ is selected from the group consisting of C₁-C₆ alkyl; C₁-C₆ alkyl substituted with at least one group selected from C₁-C₆ alkoxy, aryl, aryloxy, arylthio and C₁-C₈ cycloalkyl; C₃-C₈ cycloalkyl; aryl.

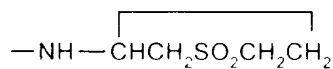
Claims 43 - 51 (Cancelled).

52. (Previously amended) The composition of claim 26 wherein the light absorbing portion of A₁ comprises the residue of at least one diacidic light absorbing monomer selected from the group consisting of the anthraquinone and anthrapyridone colorants having the structures:



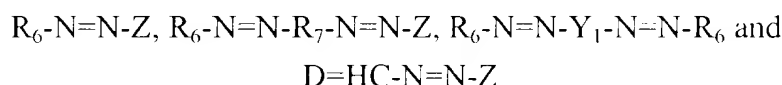


wherein R₁₄ is selected from the group consisting of hydrogen and 1-4 groups selected from amino, C₁-C₁₀ alkylamino, C₃-C₈ alkenylamino, C₃-C₈ alkynylamino, C₃-C₈ cycloalkylamino, arylamino, halogen, C₁-C₆ alkoxy, C₁-C₆ alkylthio, aryl, aroyl, C₁-C₆ alkanoyl, C₁-C₆ alkanoyloxy, NHCO C₁-C₆ alkyl, NHCOaryl, NHCO₂ C₁-C₆ alkyl, NHSO₂ C₁-C₆ alkyl, NHSO₂ aryl, C₁-C₆ alkoxycarbonyl, aryloxy, arylthio, heteroarylthio, cyano, nitro, trifluoromethyl, thiocyno, SO₂ C₁-C₆ alkyl, SO₂ aryl, -SO₂NH C₁-C₆ alkyl, -SO₂N(C₁-C₆ alkyl)₂, -SO₂N(C₁-C₆ alkyl) aryl, CONH C₁-C₆ alkyl, CON(C₁-C₆ alkyl)₂, CON(C₁-C₆ alkyl) aryl, C₁-C₆ alkyl, furfurylamino, tetrahydrofurfurylamino, 4-(hydroxymethyl) cyclohexanemethylamino,



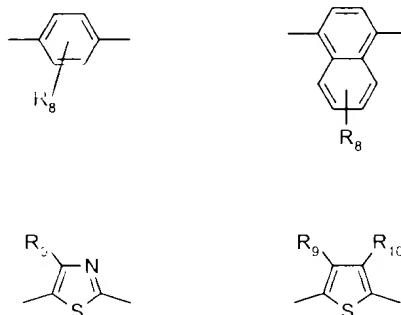
or hydroxy; Q and Q' are independently selected from the group consisting of -O-, -N(COR₁₀)-, -N(SO₂R₁₀)-, -N(R₁₀)-, -S-, -SO₂-, -CO₂-, -CON(R₁₀)-, SO₂N(R₁₀)-, wherein R₁₀ is selected from the group consisting of hydrogen, aryl, C₃-C₈ cycloalkyl, or C₁-C₁₀ alkyl; R₁₅ is selected from the group consisting of hydrogen, cyano, C₁-C₆ alkylamino, C₁-C₆ alkoxy, halogen, arylthio, aryl, heteroaryl, heteroarylthio, C₁-C₆ alkoxycarbonyl, aroyl or arylsulfonyl; R₁₆ is selected from the group consisting of hydrogen, C₁-C₆ alkyl, C₃-C₈ cycloalkyl and aryl; R₁₆' is selected from the group consisting of hydrogen, C₁-C₆ alkyl, halogen and C₁-C₆ alkoxy; wherein each C₁-C₆ alkyl group and C₁-C₆ alkyl group which is a portion of another group may contain at least one substituent selected from the group consisting of hydroxy, cyano, chlorine, fluorine, C₁-C₆ alkoxy, C₃-C₈ cycloalkoxy, C₁-C₆ alkylcyclohexyl, hydroxymethyl cyclohexyl, aryl and heteroaryl; with the provision that two acidic groups containing one acidic proton each or one acidic group containing two acidic hydrogens be present in the diacidic compounds.

53. (Previously amended) The composition of claim 26 wherein the light absorbing portion of A₁ comprises the residue of at least one light absorbing monomer selected from the group consisting of azo, disazo, bis-azo and azomethine and having respectively the structures:



wherein R₆ is the residue of an aromatic or heteroaromatic amine which has been diazotized and coupled with a coupling component H-Z and is derived from an amine selected from the group consisting of aromatic and heteroaromatic amine classes selected from the group consisting of aniline, 1-aminonaphthalene, 1-aminoanthraquinone, 4-aminoazobenzene, 2-aminothiazole, 2-aminobenzothiazole, 3-amino-2,1-benzisothiazole, 2-aminothieno[2,3-d]thiazole, 5-aminoisothiazole, 5-aminopyrazole, 4-aminopyrazoloisothiazole, 2-amino-1,3,4-thiadiazole, 5-amino-1,2,4-thiadiazole, 5-amino-1,2,3-triazole, 2-amino-1,3,4-triazole, 2(5) aminoimidazole, 3-aminopyridine, 2(3) aminothiophene, 2(3) aminobenzo[b]thiophene, 2-aminothieno[3,2-b]thiophene, 3-aminothieno[2,3-c]isothiazole, 3-amino-7-benz-2,1-isothiazole, 3-aminobenzothieno[3,4-d]pyrimidine, 5-amino-1,2,3-triazole, 3(4) aminophthalimide and 5(6) amino-1,2-benzisothiazolon-1,1-dioxide with said aromatic and heteroaromatic ring systems being unsubstituted or substituted with one or more groups selected from C₁-C₁₀ alkyl, C₁-C₆ alkoxy, C₃-C₈

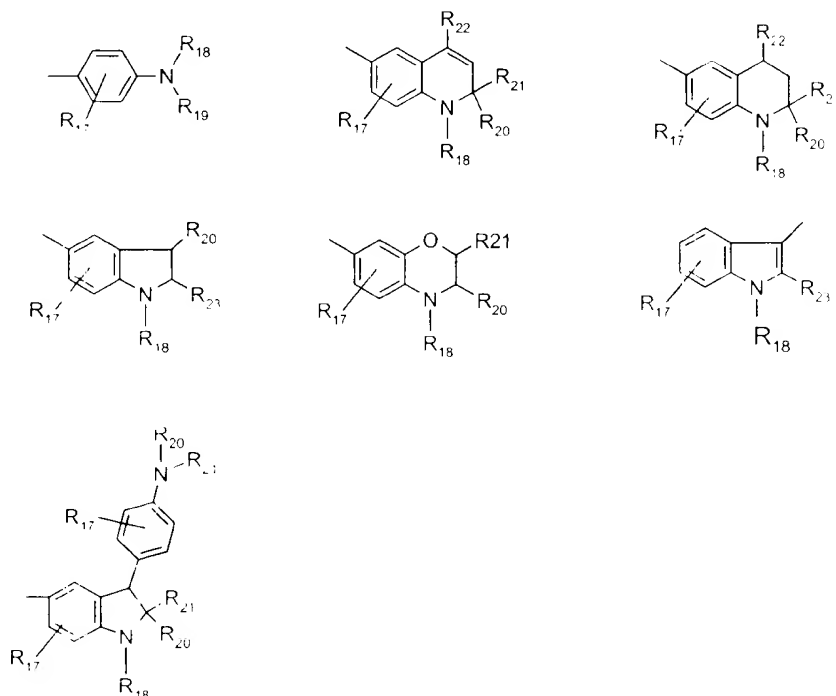
cycloalkyl, carboxy, halogen, C_1 - C_6 alkoxy carbonyl, formyl, C_1 - C_6 alkanoyl, C_1 - C_6 alkanoyloxy, dicyanovinyl, C_3 - C_8 -cycloalkanoyl, thiocyno, trifluoroacetyl, cyano, carbamoyl, -CONH- C_1 - C_6 alkyl, CONHaryl, CON(C_1 - C_6 alkyl)₂, sulfamoyl, SO₂NH C_1 - C_6 alkyl, SO₂N(C_1 - C_6 alkyl)₂, SO₂NHaryl, SO₂NH C_3 - C_8 cycloalkyl, CONH C_3 - C_8 cycloalkyl, aryl, aroyl, -NHSO₂ C_1 - C_6 alkyl, -N(C_1 - C_6 alkyl)SO₂ C_1 - C_6 alkyl, -NHSO₂ aryl, NHCO C_1 - C_6 alkyl, NHCO C_3 - C_8 cycloalkyl, NHCOaryl, NHCO₂ C_1 - C_6 alkyl, NHCONH C_1 - C_6 alkyl, NHCONHaryl, N(C_1 - C_6 alkyl)aryl, arylazo, heteroaryl, aryloxy, arylthio, C_3 - C_8 cycloalkoxy, heteroarylazo, heteroarylthio, arylsulfonyl, tricyanovinyl, aryloxysulfonyl, C_1 - C_6 alkylsulfonyl, trifluoromethyl, fluorosulfonyl, trifluoromethylsulfonyl, thiocyno, hydroxy, nitro or CH=D, wherein D is the residue of an active methylene compound selected from the group consisting of malononitrile, α -cyanoacetic acid esters, malonic acid esters, α -cyanacetic acid amides, α - C_1 - C_6 alkylsulfonylacetonitriles, α -arylsulfonylacetonitriles, α - C_1 - C_6 alkanoylacetonitriles, α -aroylacetonitriles, α -heteroarylacetonitriles, bis(heteroaryl)methanes, 1,3-indanediones, 2-furanones, benzo-2-furanones, naphtho-2-furanones, 2-indolones, 3-cyano-1,6-dihydro-4-methyl-2,6-dioxy (2H)-pyridines, benzo (b) thieno-3-ylidene propane dinitrile-5,5-dioxides, 1,3-bis(dicyanomethylene) indanes, barbituric acid, 5-pyrazolones, dimedone, 3-oxo-2,3-dihydro-1-benzothiophene-1,1-dioxides or aryl-C(CH₃)C=C(CN)₂; wherein R₇ is a divalent aromatic or heteroaromatic radical selected from the group consisting of 1,4-phenylene, naphthalene-1,4-diyl, thiazol-2,5-diyl and thiophene-2,5-diyl:

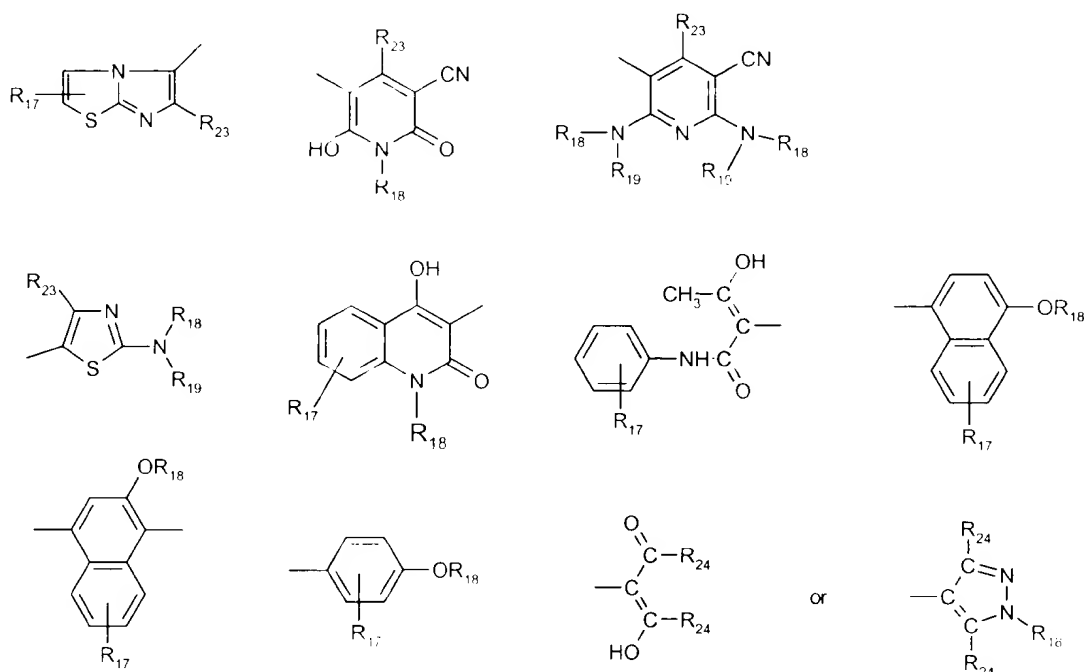


wherein R₈ is selected from the group consisting of hydrogen or 1-2 groups selected from C_1 - C_6 alkyl, C_1 - C_6 alkoxy, cyano, halogen, -NHCO C_1 - C_6 alkyl, NHCO₂ C_1 - C_6 alkyl, -NHCO aryl, -NHCONH aryl or NHCONH C_1 - C_6 alkyl; R₉ is selected from the group consisting of hydrogen, C_1 - C_6 alkyl, halogen, aryl, heteroaryl; R₁₀ is selected from the group consisting of hydrogen, C_1 - C_6 alkoxy carbonyl, cyano, carbamoyl, aryl, arylsulfonyl, aroyl,

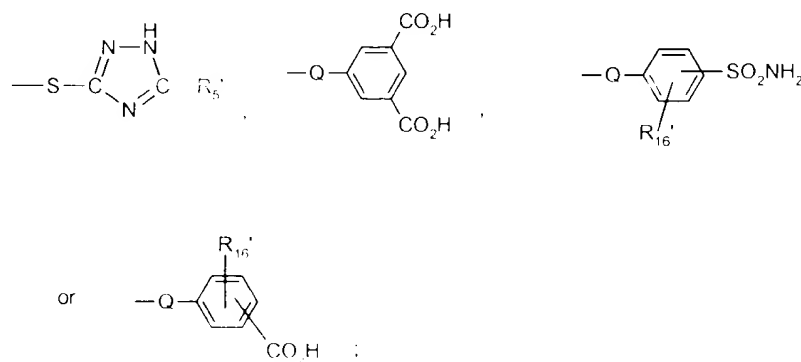
-CONH C₁-C₆ alkyl, or C₁-C₆ alkylsulfonyl; wherein Z is the residue of a coupling compound selected from the group consisting of electron rich compound classes of anilines, 1-aminonaphthalenes, 1,2-dihydroquinolines, 1,2,3,4-tetrahydroquinolines, benzomorpholines (3,4-dihydro-2H-1,4-benzoxazine), pyrazolones, pyrazoles, 3-cyano-6-hydroxy-2-pyridones, 2,3-dihydroindoles, indoles, 4-hydroxycoumarins, 4-hydroxy-2-quinolones, imidazo[2,1-b]thiazoles, julolidines (2,3,6,7-tetrahydro-1H,5H-benzo[ij]quinolizines), 1-oxajulolidines, 1,2,5,6-tetrahydro-4H-pyrrolo[3,2,1-ij]quinolines, 2,6-diamino-3 cyanopyridines, 2-aminothiazoles, 2-aminothiophenes, 5,5-dimethyl-1,3-cyclohexanedione (dimedone), phenols, naphthols, 2,4-pentanediones or acetoacetarylides; wherein Y₁ is the residue of a bis coupling component selected from the group consisting of anilines, 1,2-dihydroquinolines, 1,2,3,4-tetrahydroquinolines, benzomorpholines (3,4-dihydro-2H-1,4-benzoxazines), 3-cyano-6-hydroxy-2-pyridones, 2,6-diaminopyridines, 2,3-dihydroindoles, naphthylamines, 2-aminothiazoles, or a combination of these; with the provision that two acidic functional groups containing one acidic hydrogen each or a functional group containing two acidic hydrogen are present in the diacidic light absorbing monomer.

54. (Original) The composition of claim 53 wherein Z is selected from the group consisting of:

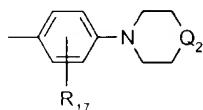




wherein R_{17} is selected from the group consisting of hydrogen, 1-2 groups selected from C_1 - C_6 alkyl, C_1 - C_6 alkoxy, C_1 - C_6 alkylthio, $-O$ C_2 - C_6 alkylene-OH, O C_2 - C_6 alkylene- C_1 - C_6 alkanoyloxy, C_1 - C_6 alkylene-OH, C_1 - C_6 alkylene- C_1 - C_6 alkanoyloxy, halogen, carboxy, C_1 - C_6 alkoxycarbonyl, trifluoromethyl, $NHCO_2R_{24}$, $NHCO_2R_{24}$, $NHCON(R_{24})R_{25}$, and $NHSO_2R_{25}$, wherein R_{24} is selected from the group consisting of hydrogen, C_1 - C_{10} alkyl, C_3 - C_8 cycloalkyl or aryl, R_{25} is selected from the group consisting of C_1 - C_{10} alkyl, C_3 - C_8 cycloalkyl or aryl wherein each C_1 - C_{10} alkyl group in R_{24} and R_{25} may be further substituted with one or more groups selected from the group consisting of C_3 - C_8 cycloalkyl, aryl, aryloxy, arylthio, CO_2H , CO_2 C_1 - C_6 alkyl, cyano, hydroxy, succinimido, C_1 - C_6 alkoxy,

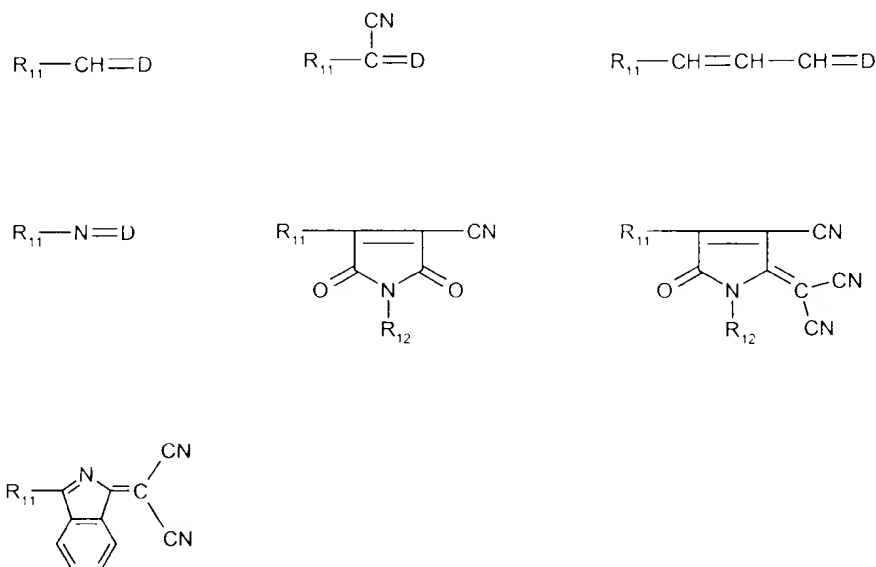


wherein R_5' is selected from the group consisting of hydrogen, C_1 - C_6 alkyl or aryl; R_{16}' is selected from hydrogen or one or two groups selected from C_1 - C_6 alkyl, halogen and C_1 - C_6 alkoxy; Q is selected from the group consisting of $-O-$, $-N(COR_{10})-$, $-N(R_{10})-$, $-S-$, $-SO_2-$, $-CO_2-$, $-CON(R_{10})$, $-SO_2(R_{10})-$, wherein R_{10} is selected from the group consisting of hydrogen, aryl, C_3 - C_8 cycloalkyl or C_1 - C_{10} alkyl; R_{18} and R_{19} are independently selected from the group consisting of hydrogen, unsubstituted C_1 - C_{10} alkyl, substituted C_1 - C_{10} alkyl, C_3 - C_8 cycloalkyl, C_3 - C_8 alkenyl, C_3 - C_8 alkynyl and aryl or R_{18} and R_{19} may be combined with another element to which they are attached to form a radical Z having the formula



wherein Q_2 is selected from the group consisting of a covalent bond, $-O-$, $-S-$, $-SO_2-$, $-CO-$, $-CO_2-$, $-N-(C_1-C_6 \text{ alkyl})-$, $-N(COC_1-C_6 \text{ alkyl})-$, $-N(SO_2C_1-C_6 \text{ alkyl})-$, $-N(CO \text{ aryl})-$, or $-N(SO_2 \text{ aryl})$; R_{20} , R_{21} and R_{22} are independently selected from the group consisting of hydrogen or C_1 - C_6 alkyl; R_{23} is selected from the group consisting of hydrogen, C_1 - C_6 alkyl, C_3 - C_8 cycloalkyl, heteroaryl or aryl.

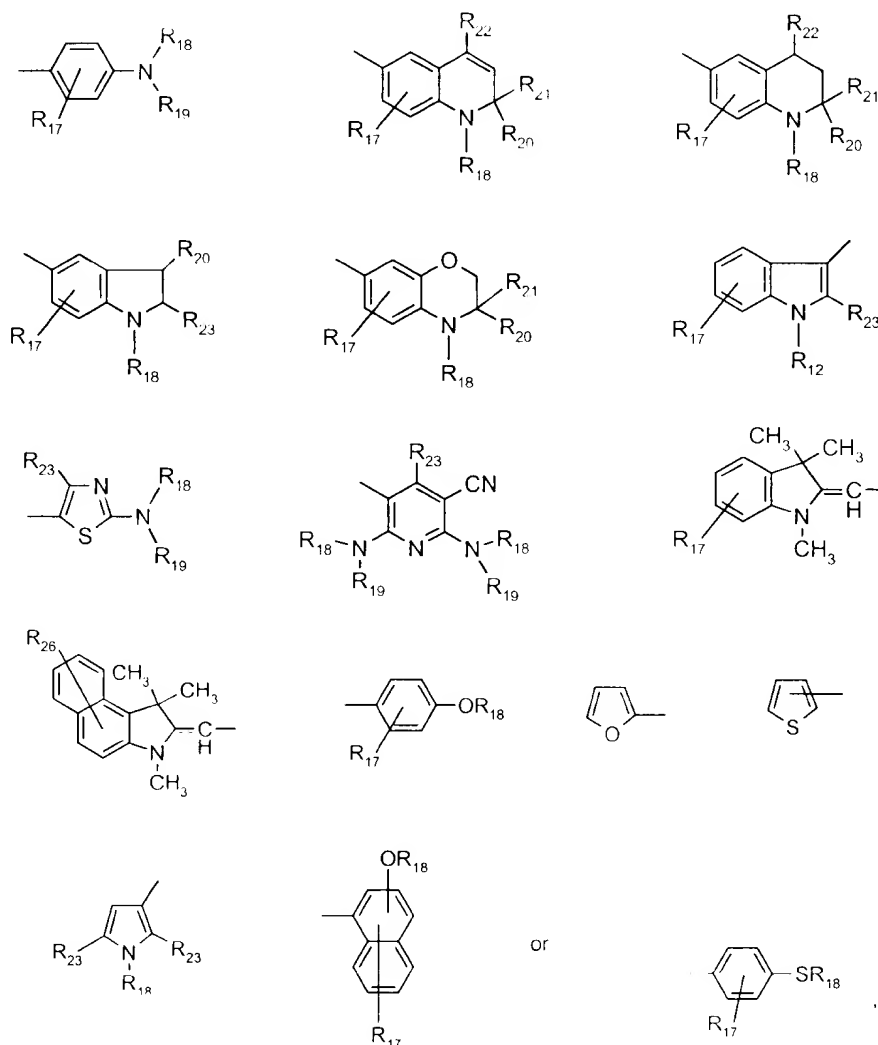
55. (Previously amended) The composition of claim 26 wherein the light absorbing portion of A_1 comprises the residue of at least one light absorbing monomer selected from the group consisting of methine, arylidene, polymethine, azamethine, 3-aryl-2,5-dioxypyrroline, 3-aryl-5-dicyanomethylene-2-oxypyrroline and arylisoindoline and having respectively the structures:



wherein R₁₁ is the residue of an electron rich aromatic compound selected from the group consisting of an aniline, 1-naphthylamine, 1,2-dihydroquinoline, 1,2,3,4-tetrahydroquinoline, 1,3,3-trimethyl-2-methyleneindole, 1,3-dihydro-2-methylene-1,1,3-trimethyl-2H-benz[e]indole, imidazo [2,1-b] thiazole, benzomorpholine (3,4-dihydro-2H-1,4,benzoxazine), 2,3-dihydroindole, indole, 2-aminothiazole, julolidine (2,3,6,7-tetrahydro-1H, 5H- benz [ij] quinolizine, 1-oxajulolidine, 4H-pyrrolo [3,2,1-ij]-quinoline, phenol, naphthol, thiophenol, pyrrole, pyrazole, furan, thiophene, carbazole, phenothiazine or phenoxazine compound; R₁₂ is selected from the group consisting of hydrogen, C₁-C₁₀ alkyl, C₃-C₈ alkenyl, C₃-C₈-alkynyl, C₃-C₈ cycloalkyl, aryl, (CH₂CH₂O)₁₋₃ R₁₃ and C₁-C₄ alkylene- C₃-C₈ cycloalkylene, wherein the C₁-C₆ alkyl groups may be substituted by at least one group selected from the group consisting of carboxy, C₁-C₆ carbalkoxy, C₁-C₆ alkanoyloxy, cyano, hydroxy, chlorine, fluorine, C₁-C₆ alkoxy, C₃-C₈ cycloalkyl or aryl; R₁₃ is selected from the group consisting of hydrogen, C₁-C₆ alkoxy or C₁-C₆ alkanoyloxy; wherein D is the residue of an active methylene compound selected from the group consisting of malononitrile, α-cyanoacetic acid esters, malonic acid esters, α-cyanacetic acid amides, α-C₁-C₆ alkylsulfonylacetonitriles, α-arylsulfonylacetonitriles, α-C₁-C₆ alkanoylacetonitriles, α-aroxyacetonitriles, α-heteroarylacetonitriles, bis(heteroaryl)methanes, 1,3-indanediones, 2-furanones, benzo-2-furanones, naphtho-2-furanones, 2-indolones, 3-cyano-1,6-dihydro-4-methyl-2,6-dioxy (2H)-pyridines, benzo (b) thieno-3-ylidene propane dinitrile-5,5-dioxides, 1,3-bis(dicyanomethylene) indanes, barbituric acid, 5-pyrazolones, dimedone, 3-oxo-2,3-dihydro-1-benzothiophene-1,1-dioxides or aryl-C(CH₃)C-C(CN)₂, with the proviso that two

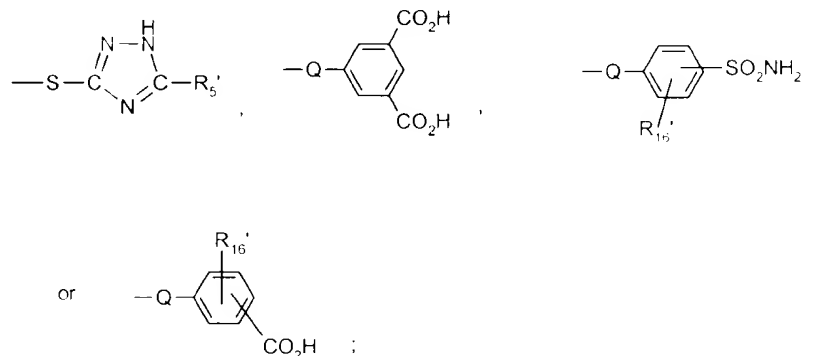
acidic functional groups containing one acidic hydrogen each, or a functional group containing two acidic hydrogens are present.

56. (Original) The composition of claim 55 wherein R_{11} is selected from the group consisting of the electron rich aromatic residues corresponding to the structures:

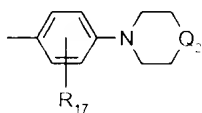


wherein R_{26} is selected from the group consisting of hydrogen or a group selected from the group consisting of C_1 - C_6 alkoxycarbonyl, CO_2H , C_1 - C_6 alkyl or C_1 - C_6 alkoxy; wherein R_{17} is selected from the group consisting of hydrogen, and 1-2 groups selected from C_1 - C_6 alkyl, C_1 - C_6 alkoxy, C_1 - C_6 alkylthio, $-O$ C_2 - C_6 alkylene-OH, O C_2 - C_6 alkylene- C_1 - C_6 alkanoyloxy, C_1 - C_6 alkylene-OH, C_1 - C_6 alkylene- C_1 - C_6 alkanoyloxy, halogen, carboxy, C_1 - C_6

alkoxycarbonyl, trifluoromethyl, NHCOR_{24} , $\text{NHCO}_2\text{R}_{24}$, $\text{NHCON}(\text{R}_{24})\text{R}_{25}$, and $\text{NHISO}_2\text{R}_{25}$, wherein R_{24} is selected from the group consisting of hydrogen, $\text{C}_1\text{-C}_{10}$ alkyl, $\text{C}_3\text{-C}_8$ cycloalkyl or aryl, R_{25} is selected from the group consisting of $\text{C}_1\text{-C}_{10}$ alkyl, $\text{C}_3\text{-C}_8$ cycloalkyl or aryl wherein each $\text{C}_1\text{-C}_{10}$ alkyl group in R_{24} and R_{25} may be further substituted with one or more groups selected from the group consisting of $\text{C}_3\text{-C}_8$ cycloalkyl, aryl, aryloxy, arylthio, CO_2H , $\text{CO}_2\text{C}_1\text{-C}_6$ alkyl,



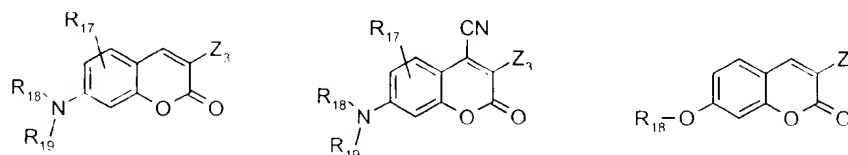
wherein R_5' is selected from the group consisting of hydrogen, $\text{C}_1\text{-C}_6$ alkyl or aryl; R_{16}' is selected from the group consisting of hydrogen, one or two groups selected from $\text{C}_1\text{-C}_6$ alkyl, halogen and $\text{C}_1\text{-C}_6$ alkoxy; Q is selected from the group consisting of $-\text{O}-$, $-\text{N}(\text{COR}_{10})-$, $-\text{N}(\text{R}_{10})-$, $-\text{S}-$, $-\text{SO}_2-$, $-\text{CO}_2-$, $\text{CON}(\text{R}_{10})$, $\text{SO}_2(\text{R}_{10})-$, wherein R_{10} is selected from the group consisting of hydrogen, aryl, $\text{C}_3\text{-C}_8$ cycloalkyl or $\text{C}_1\text{-C}_{10}$ alkyl; R_{18} and R_{19} are independently selected from the group consisting of hydrogen, unsubstituted $\text{C}_1\text{-C}_{10}$ alkyl, substituted $\text{C}_1\text{-C}_{10}$ alkyl, $\text{C}_3\text{-C}_8$ cycloalkyl, $\text{C}_3\text{-C}_8$ alkenyl, $\text{C}_3\text{-C}_8$ alkynyl and aryl or R_{18} and R_{19} may be combined with another element to which they are attached to form a radical Z having the formula



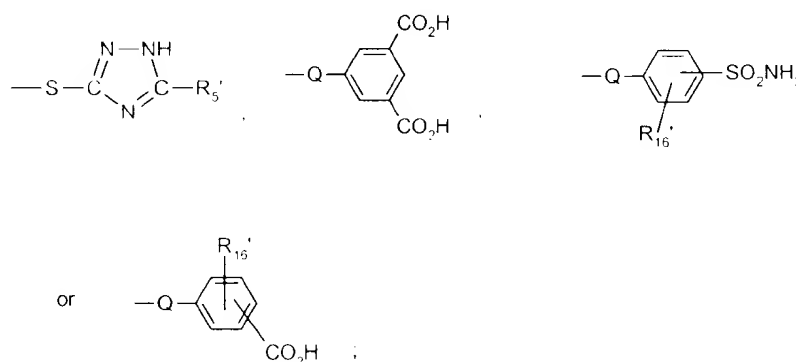
wherein Q_2 is selected from the group consisting of a covalent bond, $-\text{O}-$, $-\text{S}-$, $-\text{SO}_2-$, $-\text{CO}-$, $-\text{CO}_2-$, $-\text{N}(\text{C}_1\text{-C}_6 \text{ alkyl})-$, $-\text{N}(\text{CO C}_1\text{-C}_6 \text{ alkyl})-$, $-\text{N}(\text{SO}_2 \text{C}_1\text{-C}_6 \text{ alkyl})-$, $-\text{N}(\text{CO aryl})-$, or $-\text{N}(\text{SO}_2 \text{ aryl})$; R_{20} , R_{21} and R_{22} are independently selected from the group consisting of

hydrogen or C₁-C₆ alkyl; R₂₃ is selected from the group consisting of hydrogen, C₁-C₆ alkyl, C₃-C₈ cycloalkyl, heteroaryl or aryl.

57. (Previously amended) The composition of claim 26 wherein the light absorbing portion of A₁ comprises a residue of at least one diacidic coumarin compounds selected from the group consisting of the structures

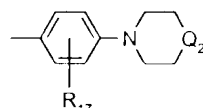


wherein Z₃ is selected from the group consisting of cyano, C₁-C₆ alkoxy carbonyl, C₁-C₆ alkylsulfonyl, arylsulfonyl, aryl, heteroaryl, formyl, aroyl, C₁-C₆ alkanoyl or -CH=D, wherein R₁₇ is selected from the group consisting of hydrogen, 1-2 groups selected from C₁-C₆ alkyl, C₁-C₆ alkoxy, C₁-C₆ alkylthio, -O C₂-C₆ alkylene-OH, O C₂-C₆ alkylene- C₁-C₆ alkanoyloxy, C₁-C₆ alkylene-OH, C₁-C₆ alkylene- C₁-C₆ alkanoyloxy, halogen, carboxy, C₁-C₆ alkoxy carbonyl, trifluoromethyl, NHCOR₂₄, NHCO₂R₂₄, NHCON(R₂₄)R₂₅, and NHSO₂R₂₅, wherein R₂₄ is selected from the group consisting of hydrogen, C₁-C₁₀ alkyl, C₃-C₈ cycloalkyl or aryl, R₂₅ is selected from the group consisting of C₁-C₁₀ alkyl, C₃-C₈ cycloalkyl or aryl wherein each C₁-C₁₀ alkyl group in R₂₄ and R₂₅ may be further substituted with one or more groups selected from the group consisting of C₃-C₈ cycloalkyl, aryl, aryloxy, arylthio, CO₂H, CO₂ C₁-C₆ alkyl, cyano, hydroxy, succinimido, C₁-C₆ alkoxy,



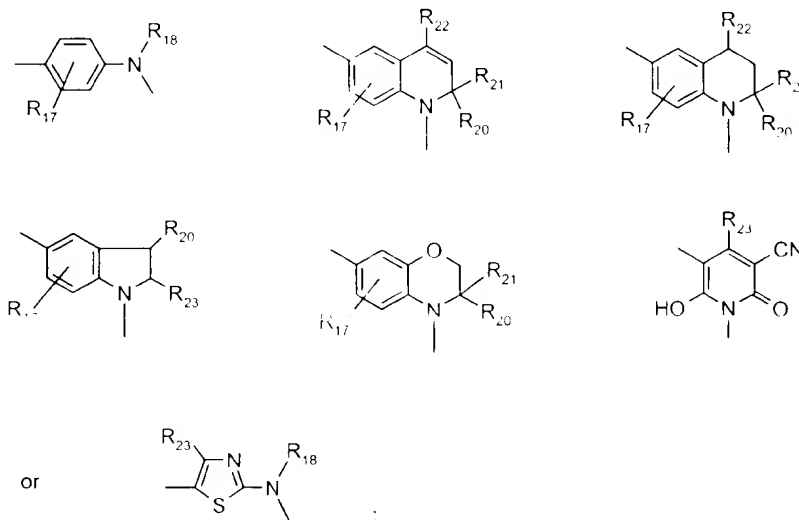
wherein R₅' is selected from the group consisting of hydrogen, C₁-C₆ alkyl or aryl; R₁₆' is selected from hydrogen or one or two groups selected from C₁-C₆ alkyl, halogen, and C₁-C₆

alkoxy; Q is selected from the group consisting of -O-, -N(COR₁₀)-, -N(R₁₀)-, -S-, -SO₂-, -CO₂-, CON(R₁₀), SO₂(R₁₀)-, wherein R₁₀ is selected from the group consisting of hydrogen, aryl, C₃-C₈ cycloalkyl or C₁-C₁₀ alkyl; R₁₈ and R₁₉ are independently selected from the group consisting of hydrogen, unsubstituted C₁-C₁₀ alkyl, substituted C₁-C₁₀ alkyl, C₃-C₈ cycloalkyl, C₃-C₈ alkenyl, C₃-C₈ alkynyl and aryl or R₁₈ and R₁₉ may be combined with another element to which they are attached to form a radical Z having the formula

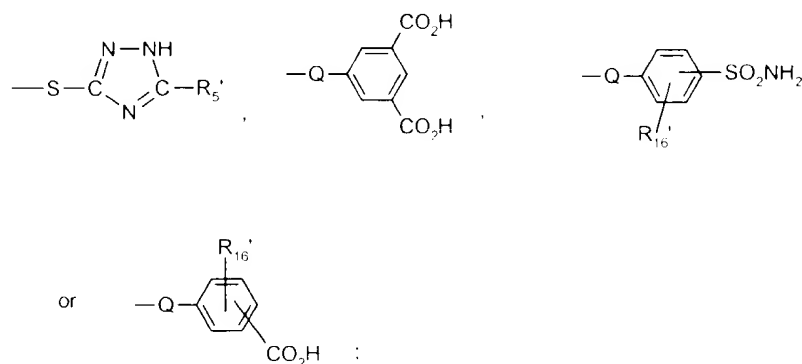


wherein Q₂ is selected from the group consisting of a covalent bond, -O-, -S-, -SO₂-, -CO-, -CO₂-, -N-(C₁-C₆ alkyl)-, -N(CO C₁-C₆ alkyl)-, -N(SO₂ C₁-C₆ alkyl)-, -N(CO aryl)-, or -N(SO₂ aryl); R₂₀, R₂₁ and R₂₂ are independently selected from the group consisting of or C₁-C₆ alkyl; R₂₃ is selected from the group consisting of hydrogen, C₁-C₆ alkyl, C₃-C₈ cycloalkyl, heteroaryl or aryl; wherein D is the residue of an active methylene compound selected from the group consisting of malononitrile, α -cyanoacetic acid esters, malonic acid esters, α -cyanacetic acid amides, α -C₁-C₆ alkylsulfonylacetonitriles, α -arylsulfonylacetonitriles, α -C₁-C₆ alkanoylacetonitriles, α -aroylacetonitriles, α -heteroarylacetonitriles, bis(heteroaryl)methanes, 1,3-indanediones, 2-furanones, benzo-2-furanones, naphtho-2-furanones, 2-indolones, 3-cyano-1,6-dihydro-4-methyl-2,6-dioxy (2H)-pyridines, benzo (b) thieno-3-ylidene propane dinitrile-5,5-dioxides, 1,3-bis(dicyanomethylene) indanes, barbituric acid, 5-pyrazolones, dimedone, 3-oxo-2,3-dihydro-1-benzothiophene-1,1-dioxides or aryl-C(CH₃)C=C(CN)₂, with the proviso that two acidic functional groups containing one acidic hydrogen each, or a functional group containing two acidic hydrogens are present.

58. (Original) The composition of claim 54 wherein the light absorbing portion of A₁ comprises the residue of at least one bis-azo light absorbing monomer wherein the bis coupling component Y₁ is represented by the structure Z₁-L₁-Z₂, wherein Z₁ and Z₂ are independently selected from the group consisting of



wherein, L_1 is bonded to the nitrogen atom of Z_1 and Z_2 ; wherein L_1 is selected from the group consisting of C_2 - C_{12} alkylene, C_3 - C_8 cycloalkylene, arylene, C_1 - C_4 alkylene- C_3 - C_8 cycloalkylene- C_1 - C_4 alkylene, C_1 - C_4 alkylene-arylene- C_1 - C_4 alkylene, C_2 - C_4 alkylene-O-arylene-O- C_2 - C_4 alkylene, $(C_2$ - C_4 alkylene O) $_{1-3}$ C_2 - C_4 alkylene, C_2 - C_4 alkylene- S- C_2 - C_4 alkylene, C_2 - C_4 alkylene-SO $_2$ - C_2 - C_4 alkylene, C_2 - C_4 alkylene-N(SO $_2$ C_1 - C_6 alkyl)- C_2 - C_4 alkylene, C_2 - C_4 alkylene-N(SO $_2$ aryl)- C_3 - C_4 - alkylene, C_2 - C_4 alkylene- OCO $_2$ - C_2 - C_4 alkylene, C_2 - C_4 alkylene- O $_2$ C-arylene-CO $_2$ - C_2 - C_4 alkylene, C_2 - C_4 alkylene-O $_2$ C- C_1 - C_{12} alkylene-CO $_2$ - C_2 - C_4 alkylene, C_2 - C_4 alkylene-O $_2$ C- C_3 - C_8 cycloalkylene-CO $_2$ - C_2 - C_4 alkylene, C_2 - C_4 alkylene-NHCO- C_2 - C_4 alkylene and C_2 - C_4 alkylene-NHSO $_2$ - C_2 - C_4 alkylene; wherein R_{17} is selected from the group consisting of hydrogen, 1-2 groups selected from C_1 - C_6 alkyl, C_1 - C_6 alkoxy, C_1 - C_6 alkylthio, -O C_2 - C_6 alkylene-OH, O C_2 - C_6 alkylene- C_1 - C_6 alkanoyloxy, C_1 - C_6 alkylene-OH, C_1 - C_6 alkylene- C_1 - C_6 alkanoyloxy, halogen, carboxy, C_1 - C_6 alkoxycarbonyl, trifluoromethyl, NHICOR $_{24}$, NHCO $_2$ R $_{24}$, NHCON(R $_{24}$)R $_{25}$, and NHSO $_2$ R $_{25}$, wherein R $_{24}$ is selected from the group consisting of hydrogen, C_1 - C_{10} alkyl, C_3 - C_8 cycloalkyl or aryl, R $_{25}$ is selected from the group consisting of C_1 - C_{10} alkyl, C_3 - C_8 cycloalkyl or aryl wherein each C_1 - C_{10} alkyl group in R $_{24}$ and R $_{25}$ may be further substituted with one or more groups selected from the group consisting of C_3 - C_8 cycloalkyl, aryl, aryloxy, arylthio, CO $_2$ H, CO $_2$ C_1 - C_6 alkyl, cyano, hydroxy, succinimido, C_1 - C_6 alkoxy,



wherein $\text{R}_{5'}$ is selected from the group consisting of hydrogen, $\text{C}_1\text{--C}_6$ alkyl or aryl; $\text{R}_{16'}$ is selected from hydrogen or one or two groups selected from $\text{C}_1\text{--C}_6$ alkyl, halogen and $\text{C}_1\text{--C}_6$ alkoxy; Q is selected from the group consisting of —O— , $\text{—N(COR}_{10}\text{)—}$, $\text{—N(R}_{10}\text{)—}$, —S— , $\text{—SO}_2\text{—}$, $\text{—CO}_2\text{—}$, $\text{CON(R}_{10}\text{)}$, $\text{SO}_2(\text{R}_{10})\text{—}$, wherein R_{10} is selected from the group consisting of hydrogen, aryl, $\text{C}_3\text{--C}_8$ cycloalkyl or $\text{C}_1\text{--C}_{10}$ alkyl; R_{18} is selected from the group consisting of hydrogen, unsubstituted $\text{C}_1\text{--C}_{10}$ alkyl, substituted $\text{C}_1\text{--C}_{10}$ alkyl, $\text{C}_3\text{--C}_8$ cycloalkyl, $\text{C}_3\text{--C}_8$ alkenyl, $\text{C}_3\text{--C}_8$ alkynyl and aryl; R_{20} , R_{21} , R_{22} are independently selected from the group consisting of or $\text{C}_1\text{--C}_6$ alkyl; R_{23} is selected from the group consisting of hydrogen, $\text{C}_1\text{--C}_6$ alkyl, $\text{C}_3\text{--C}_8$ cycloalkyl, heteroaryl or aryl.

Claims 59 - 129 (Cancelled).